

CLAIMS

What is claimed is:

1. A circuit card comprising:

a first connector to connect the circuit card to a first mating connector;
a second connector, movable between first and second positions, to
connect the circuit card to a second mating connector; and
a mechanism to move the second connector between the first and second
positions along a defined path.

2. The circuit card of claim 1, wherein the first mating connector comprises a
backplane of a first storage device.

3. The circuit card of claim 2, wherein the second mating connector comprises a
second circuit card, the second circuit card coupled to a second storage device.

4. The circuit card of claim 3, further comprising a third connector sharing a
common axis with the second position of the second connector, the third
connector to connect the circuit card to a third circuit card coupled to a third
storage device.

5. The circuit card of claim 2, wherein the first storage device comprises a tape
library.

6. The circuit card of claim 2, wherein the first storage device comprises a disk device.
7. The circuit card of claim 1, wherein the mechanism includes a lever mechanism pivotally coupled to the circuit card.
8. The circuit card of claim 7, wherein the mechanism further includes a movable rigid material coupled to the second connector and the lever mechanism.
9. The circuit card of claim 8, wherein the mechanism further includes a flexible connector coupled between the movable rigid material and the circuit card.
10. The circuit card of claim 9, wherein the flexible connector comprises a ribbon cable.
11. The circuit card of claim 7, wherein the movable rigid material comprises a printed circuit board.
12. The circuit card of claim 1, wherein the mechanism includes a flexible connector to connect the circuit card to the second connector.

13. A method comprising:

inserting a first circuit card into a card slot of a first housing; and
connecting the first circuit card to a second circuit card in a second
housing by triggering a mechanism on the first circuit card.

14. The method of claim 13, wherein the first housing comprises a storage
device housing.

15. The method of claim 14, wherein inserting a first circuit card comprises
connecting the first circuit card to a backplane of a first storage device in the first
storage device housing.

16. The method of claim 15, wherein the first storage device comprises a tape
library.

17. The method of claim 15, wherein the first storage device comprises a disk
device.

18. The method of claim 13, wherein the first circuit card comprises a movable
connector and triggering a mechanism comprises causing the movable connector
to move from a first position to a second position.

19. The method of claim 13, wherein triggering a mechanism comprises moving a lever mechanism, pivotally connected to the first card, from a first position to a second position.

20. The method of claim 19, wherein moving the lever mechanism to the second position causes a movable connector to move from a first position to a second position causing the movable connector to become coupled to the second circuit card.

21. A system comprising:

- a first storage device housing including a first card slot;

- a first storage device inserted into the first storage device housing;

- a first circuit card inserted into the first card slot, the first circuit card connected to a backplane of the first storage device;

- a second storage device housing vertically stacked on the first storage device housing, the second storage device housing including a second card slot;

- a second storage device inserted into the second storage device housing;

and

- a second circuit card inserted into the second card slot, the second circuit card including:

- a first connector to connect the circuit card to a backplane of the second storage device;

a second connector, movable between first and second positions, when in the second position to connect the second circuit card to the first circuit card; and
a mechanism to move the second connector between the first and second positions.

22. The system of claim 21, wherein the mechanism includes a lever mechanism pivotally coupled to the circuit card.

23. The system of claim 22, wherein the mechanism further includes a printed circuit board coupled to the second connector and the lever mechanism.

24. The system of claim 21, wherein the first storage device and the second storage device comprise tape libraries.

25. The system of claim 21, wherein the first storage device and the second storage device comprise disk devices.

26. The system of claim 21, wherein the first storage device housing further includes one or more additional card slots.